



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Edward J. Kroliczek et al.  
Serial No. : 10/694,387  
Filed : October 28, 2003  
Title : HEAT TRANSFER SYSTEM

Art Unit : Unknown  
Examiner : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. In accordance with the PTO's waiver of 37 CFR 1.98 (a)(2)(iii), only copies of any foreign patent documents and/or non-patent references are enclosed. This statement is being filed before the receipt of a first Office Action on the merits.

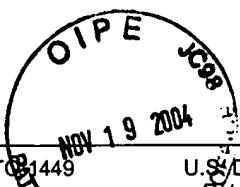
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Respectfully submitted,

Date: November 19, 2004

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13442-007001	Application No. 10/694,387
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Edward J. Kroliczek et al.	
		Filing Date October 28, 2003	Group Art Unit 3743

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,382,309 B1	05-07-2002	Kroliczek et al.			
	AB	2002/0007937 A1	01-24-2002	Kroliczek et al.			
	AC	3,490,718	01/20/1970	A. Vary			
	AD	3,613,778	10/19/1971	Feldman, Jr.			
	AE	4,046,190	09/06/1977	Marcus et al.			
	AF	4,087,893	05/09/1978	Sata et al.			
	AG	4,116,266	09/26/1978	Sawata et al.			
	AH	4,170,262	10/09/1979	Marcus et al.			
	AI	4,503,483	03/05/1985	Basiulis			
	AJ	4,685,512	08/11/1987	Edelstein et al.			
	AK	4,770,238	09/13/1988	Owen			
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	AM	4,883,116	11/28/1989	Seidenberg et al.			
	AN	5,002,122	03/26/1991	Sarraf et al.			
	AO	5,335,720	08/09/1994	Ogushi et al.			
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	AR	5,761,037	06/02/1998	Anderson et al.			
	AS	5,771,967	06/30/1998	Hyman			
	AT	5,944,092	08/31/1999	Van Oost			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Abstract
							Yes No
	AU	1 467 354	01-22-1987	SOVIET UNION			X
	AV	2 098 733	03-07-1995	RUSSIA			X
	AW	0 210 337	02-04-1987	EUROPE			X
	AX	02/10661 A1	02-07-2003	WIPO			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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							Yes      No
	AY	0 987 509 A1	03/22/2000	EUROPE			
	AZ	2000-055577	02/25/2000	JAPAN			X

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AAA	Jentung Ku, "Operational Characteristics of Loop Heat Pipes", NASA Goddard Space Flight Center; SAE Paper 99-01-2007, 29 <sup>th</sup> International Conference on Environmental Systems, Denver, Colorado, July 12-15, 1999; Society of Automotive Engineers, Inc.
	ABB	Jane Baumann et al., "A methodology for enveloping reliable start-up of LHPs", AIAA Paper 2000-2285 (AIAA Accession number 33681), AIAA Thermophysics Conference, 34th, Denver, CO, June 19-22, 2000.
	ACC	W. B. Bienert et al., "The Proof-Of-Feasibility of Multiple Evaporator Loop Heat Pipes", 6 <sup>th</sup> European Symposium on Environmental Systems, May 1997, 6 pages.
	ADD	S. Yun et al., "Design and Test Results of Multi-Evaporator Loop Heat Pipes", SAE Paper No. 1999-01-2051, 29 <sup>th</sup> International Conference on Environmental Systems, July 1999, 7 pages.
	AEE	Stephane Van Oost et al., "Test Results of Reliable and Very High Capillary Multi-Evaporators/Condenser Loop", 25 <sup>th</sup> International Conference on Environmental Systems, July 10-13, 1995, 12 pages.
	AFF	E. Yu Kotlyarov et al., "Methods of Increase of the Evaporators Reliability for Loop Heat Pipes and Capillary Pumped Loops", 24th International Conference on Environmental Systems, June 20-23, 1994, 15 pages.
	AGG	Hoang, "Advanced Capillary Pumped Loop (A-CPL) Project Summary" Contract No.: NAS5-98103, March 1994, pages 1-37.
	AHH	Martien Janssen et al., "Measurement and application of performance characteristics of a Free Piston Stirling Cooler", 9 <sup>th</sup> International Refrigeration and Air Conditioning Conference, July 16-19, 2002, 8 pages.
	AII	Yong-Rak Kwon et al., "Operational Characteristics of Stirling Machinery", International Congress of Refrigeration, August 17-22, 2003, 8 pages.
	AJJ	David M. Berchowitz et al., "Design and Testing of a 40 W Free-Piston Stirling Cycle Cooling Unit", 20 <sup>th</sup> International Conference of Refrigeration, IIR/IIF, Sydney, 1999, 7 pages.
	AKK	D.M. Berchowitz Ph. D., "Maximized Performance of Stirling Cycle Refrigerators", Natural working fluids '98 IIR - Gustav Lorentzen Conference: Oslo, Norway, June 2-5, 1998, Fluides actifs naturels conference IIF-Gustav Lorentzen, Journal: Science et technique du froid, 1998 (4) 422-429.
	ALL	David M. Berchowitz, "Free-Piston Rankine Compression and Stirling Cycle Machines for Domestic Refrigeration", Presented at the Greenpeace Ozon Safe Conference, Washington, DC, October 18-19, 1993.
	AMM	Stephen C. Wetty and Fernando Cueva, "Energy Efficient Freezer Installation Using Natural Working Fluids and a Free Piston Stirling Cooler" VI Congreso Iberoamericano De Aire Acondicionado Y Refrigeracion, CIAR 2001, Trabajo No. 96, pp. 199-208, August 15-17, 2001.

Examiner Signature	Date Considered
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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	ANN	Emre Oguz et al., "Experimental Investigation Of a Stirling Cycle Cooled Domestic Refrigerator", 9 <sup>th</sup> Proceedings of the International Refrigeration and Air Conditioning Conference at Purdue, 2002; 9 <sup>th</sup> , Vol. 2, pp. 777-784.
	AOO	Seon-Young Kim et al., "The Application of Stirling Cooler to Refrigeration", IECEC-97- Intersociety Energy Conversion Engineering Conference, 1997, Conference 32, Vol. 2, pp. 1023-1026.
	APP	D.M. Berchowitz et al. "Recent Advances in Stirling Cycle Refrigeration", 1995, 19 <sup>th</sup> International Conference of Refrigeration, The Hague, The Netherlands, 8 pages.

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